

Applicant(s): HELFERICH  
Attorney Docket No. 19529-037

Page 1, line 5, after "Information," insert --application Serial No. 08/934,143;--  
line 5, change "Information" to --Messages--;  
line 7, after "Times," insert --application Serial No. 08/934,337;--;  
line 7, after "Information," insert --application Serial No. 08/934,132;--; and  
line 14, change "paging receiving" to --paging receiver--.

Page 2, line 21, after "display" insert --and/or play--.

Page 5, line 1, change "transceivers" to --transceiver--.

Page 6, line 7, change "messages" to --message--.

Page 7, line 2, change "paging receivers" to --pager transceivers--; and  
line 13, change "message" to --messages--.

Page 19, line 4, after "call" insert --signals--;

line 8, after "83," insert --if an acknowledgment signal was received,--;  
line 11, change "82" to --83--; and  
line 20, change "is" to --are--.

Page 22, line 12, change "The messages" to --One or more messages--;

line 13, after "addresses" insert --or recipients--;

(NE  
which  
occurred)

line 19, delete "another";

line 19, after the first occurrence of "or" insert --a--; and

line 19, change the second occurrence of "or" to --of--.

Page 23, line 6, change "Fig. 7" to --Fig. 8--; and

line 13, delete the first occurrence of "135".

Page 25, line 4, change "each" to --the--.

Page 26, line 8, after "If" insert --at step 138--;

line 9, after "If" insert --at step 138 the user responds that--;

Concl.

line 11, after "and" insert --a delay occurs at step 141 with delay circuit 28, as

*a3  
cmcl.* described above. After the delay, a call is established with system 30 at step 139 and flow continues as previously described.--;

line 11, change "the" to --The--; and

line 21, after "At" insert --step--.

Page 27, line 15, after "time" insert --. A delay occurs at step 141 with delay circuit 28

*a4  
cmcl.* as described above. After the delay, a call is established with system 30 at step 139 and flow continues as previously described. Transmission to system 30 may also take place at a later time-- and

*x18  
all circuits* Page 28, line 1, after "information" insert --and/or--;

line 16, after the second occurrence of "call" insert --at step 141--;

line 16, after "session," insert --or some later time--; and

line 17, after "session" insert --or after the delay,--.

Page 29, line 18, delete "at step"; and

line 19 delete "132".

Page 30, line 6, change "pre stored" to --pre-stored--;

line 17, after "storage" insert --and retrieval--; and

line 17, after "unit 32" insert a period.

Page 31, line 11, after "If" insert --the user responds--;

line 12, after "If" insert --the user responds--;

line 12, after "no" insert --at step 138--; and

line 13, after "30" insert --after the delay of step 141,--.

*a5* Page 35, line 9, change "transmitted" to --transmitting--.

Page 37, line 10, change the first and second occurrence of "201" to --35--;

line 13, change "is" to --are--; and

line 13, change "station" to --stations--.

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Page 40, line 9, delete "function of"; and

(N.E.) line 8, after "retrieve" insert --message--.

Page 42, line 10, change "message" to --messages--.

***In the Abstract:***

Page 61, line 2, change "selecting" to --selective--.

***In the Claims:***

Please amend the claims as follows:

Please cancel claims 1-81.

Please add new claims 82-151.

--82. A system, comprising:

a storage and retrieval unit for storing a message intended for a transmitting and receiving device;

signal generating means for generating a signal comprising a message identifier that identifies the message, wherein the signal generating means does not include the message in the signal regardless of the size of the message;

means for sending the signal to the transmitting and receiving device, wherein, at the time the signal is sent to the transmitting and receiving device, the message is not stored in the transmitting and receiving device;

means for receiving a request signal generated by the transmitting and receiving device, wherein the request signal specifies an action to be performed on the message stored in the storage and retrieval unit; and

means for performing the action in response to the receiving means receiving the request signal.

83. The system of claim 82, wherein the action specified by the request signal is to forward the message to a recipient specified in the request signal.

84. The system of claim 82, wherein the action specified by the request signal is to send a reply message to the originator of the message.

85. The system of claim 82, wherein the action specified by the request signal is to delete the message from the storage and retrieval unit.

86. The system of claim 82, wherein the action specified by the request signal is to store the message in the storage and retrieval unit.

87. The system of claim 82, wherein the action specified by the request signal is to send the message to the transmitting and receiving device.

88. The system of claim 82, wherein the means for sending the signal to the transmitting and receiving device sends the signal to a base station, which transmits the signal to the transmitting and receiving device.

89. A system, comprising:

means for storing a first message intended for a transmitting and receiving device;  
means for sending a second message through a wide area communications network to a base station, the second message not including the first message, but including a message identifier identifying the first message, whereupon receiving the second message, the base station transmits to the transmitting and receiving device a signal comprising the message identifier;  
means for receiving a request signal generated by the transmitting and receiving device, the request signal comprising an action identifier identifying an action to be performed on the first message; and  
means for performing the action in response to the receiving means receiving the request signal.

90. The system of claim 89, wherein the action corresponding to the action identifier is to forward the first message to a recipient.

91. The system of claim 89, wherein the action corresponding to the action identifier is to reply to the first message.

92. The system of claim 89, wherein the action corresponding to the action identifier is to delete the first message from the storing means.

93. The system of claim 89, wherein the action corresponding to the action identifier is to send the first message to the transmitting and receiving device.

94. A system, comprising:  
a storage and retrieval unit for storing a first message intended for a transmitting and receiving device;

signal generating means for generating a signal comprising a message identifier that identifies the first message, wherein the first message is not included in the signal; means for sending the signal to the transmitting and receiving device; means for receiving a request signal generated by the transmitting and receiving device, the request signal comprising a reply request and a second message; and means for sending the second message to an originator of the first message regardless of whether the first message was ever sent to the transmitting and receiving device.

95. The system of claim 94, wherein the means for sending the signal to the transmitting and receiving device sends the signal to a base station, which transmits the signal to the transmitting and receiving device.

96. A transmitting and receiving device for transmitting data to and receiving data from a communication system, comprising:

a receiver that receives a selective call signal having a message identifier identifying a first message that is stored in a system, wherein the first message is not included in the selective call signal, and, at the time the receiver receives the selective call signal, the first message is not stored in the transmitting and receiving device;

a user interface for receiving from a user of the transmitting and receiving device one or more commands, wherein after the receiver receives the selective call signal, a reply command for sending a reply to the first message is operable;

a processor for generating a reply signal in response to the user interface receiving the reply command, the reply signal comprising a message indicator corresponding to the first message and a second message; and

a transmitter for sending the reply signal to the system, whereupon receiving the reply signal, the system transmits the second message to the originator of the first message.

97. The transmitting and receiving device of claim 96, wherein the transmitter sends the reply signal to a base station, which then forwards the reply signal to the system.

98. A system, comprising:

a storage and retrieval unit for storing a message intended for a transmitting and receiving device;

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signal generating means for generating a signal comprising a message identifier that identifies the message, wherein the message is not included in the signal;

means for sending the signal to the transmitting and receiving device;

means for receiving a request signal generated by the transmitting and receiving device, the request signal indicating two or more actions to be performed on the message; and

means for performing the two or more actions.

99. The system of claim 98, wherein one of the at least two actions is to send the message to the transmitting and receiving device and another of the at least two actions is to store the message within the storage and retrieval unit.

100. The system of claim 98, wherein one of the at least two actions is to send the message to the transmitting and receiving device and another of the at least two actions is to forward the message to a recipient.

101. The system of claim 98, wherein the means for sending the signal to the transmitting and receiving device sends the signal to a base station, which transmits the signal to the transmitting and receiving device.

102. A system, comprising:

a storage and retrieval unit that stores a message intended for a transmitting and receiving device; and

a controller for sending to the transmitting and receiving device a first signal comprising a message identifier identifying the message, wherein the first signal does not include the message, and for sending to the transmitting and receiving device a second signal comprising at least part of the message identifier and a status indicator for indicating the status of the message.

103. The system of claim 102, wherein the means for sending the first signal to the transmitting and receiving device sends the first signal to a base station, which transmits the first signal to the transmitting and receiving device.

104. A communication system, comprising:

a base station;

a transmitting and receiving device in communication with the base station; and

a system in communication with the base station, the system comprising:

a storage and retrieval unit for storing a message intended for the transmitting and receiving device;

signal generating means for generating a signal comprising a message identifier that identifies the message, wherein, regardless of the size of the message, the signal generating means does not include the message in the signal;

means for transmitting the signal to the base station, whereupon receiving the signal, the base station transmits the signal to the transmitting and receiving device, wherein, at the time the signal is transmitted to the transmitting and receiving device, the message is not stored in the transmitting and receiving device;

means for receiving a request signal generated by the transmitting and receiving device and transmitted therefrom to the base station, wherein the request signal specifies an action to be performed on the message stored in the storage and retrieval unit; and

means for performing the action on the message in response to the receiving means receiving the request signal.

105. The communication system of claim 104, wherein the action specified by the request signal is to forward the message to a recipient specified in the request signal.

106. The communication system of claim 104, wherein the action specified by the request signal is to send a reply message to the originator of the message.

107. The communication system of claim 104, wherein the action specified by the request signal is to delete the message from the storage and retrieval unit.

108. The communication system of claim 104, wherein the action specified by the request signal is to store the message in the storage and retrieval unit.

109. A communication system, comprising:

a base station;

a system; and

a wide area communications network for enabling the system to send messages to the base station, wherein the system, comprises:

means for storing a first message intended for a transmitting and receiving device in communication with the base station;

means for sending a second message through the wide area communications network to the base station, the second message not including the first message, but including a message identifier identifying the first message, whereupon receiving the second message, the base station transmits to the transmitting and receiving device a signal including the message identifier, but not including the first message, wherein, at the time the signal is transmitted to the transmitting and receiving device, the first message is not stored in the transmitting and receiving device;

means for receiving a request signal generated by the transmitting and receiving device, the request signal identifying an action and identifying the first message; and

means for performing the indicated action on the first message in response to the receiving means receiving the request signal.

110. The communication system of claim 109, wherein the action specified by the request signal is to forward the message to a recipient specified in the request signal.

111. The communication system of claim 109, wherein the action specified by the request signal is to send a reply message to the originator of the message.

112. The communication system of claim 109, wherein the action specified by the request signal is to delete the message from the storing means.

113. The communication system of claim 109, wherein the action specified by the request signal is to store the message in the storing means.

114. The communication system of claim 109, wherein the message is an e-mail message.

115. The communication system of claim 109, further comprising:  
a second system in communication with the base station, the second system comprising:

means for storing a third message intended for the transmitting and receiving  
device, wherein the third message is a voice message and the first message is a text  
message;

means for sending a fourth message to the base station, the fourth message not  
including the third message, but including a message identifier identifying the third  
message, whereupon receiving the fourth message, the base station transmits to the  
transmitting and receiving device a signal including the message identifier identifying the  
third message, but not including the third message;

means for receiving a second request signal comprising an action identifier and a  
message indicator corresponding to the third message; and

means for performing an action on the third message corresponding to the action  
identifier.

116. The communication system of claim 109, further comprising a second base station  
and a second system in communication with the second base station, the second system  
comprising:

means for storing a third message intended for the transmitting and receiving  
device, wherein the third message is a voice message and the first message is a text  
message;

means for sending a fourth message to the second base station, the fourth message  
not including the third message, but including a message identifier identifying the third  
message, whereupon receiving the fourth message, the second base station transmits to

the transmitting and receiving device a signal including the message identifier identifying the third message, but not including the third message;

means for receiving a second request signal comprising an action identifier and a message indicator corresponding to the third message; and

means for performing an action on the third message corresponding to the action identifier.

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117. A communication system, comprising:

a base station;

a transmitting and receiving device in communication with the base station; and

a system in communication with the base station, the system comprising:

a storage and retrieval unit for storing a first message intended for the transmitting and receiving device;

signal generating means for generating a signal comprising a message identifier that identifies the first message, wherein the first message is not included in the signal;

means for sending the signal to the base station, whereupon receiving the signal, the base station transmits the signal to the transmitting and receiving device;

means for receiving a request signal generated by the transmitting and receiving device, the request signal comprising a second message and an identifier identifying the first message; and

reply means for sending the second message to the originator of the first message, wherein the reply means sends the second message to the originator regardless of whether the first message was ever sent to the transmitting and receiving device.

118. A communication system, comprising:

a base station;

a system in communication with the base station; and  
a transmitting and receiving device in communication with the base station, the transmitting and receiving device comprising:

    a receiver that receives from the base station a selective call signal having a message identifier identifying a message that is stored in the system, wherein the message is not included in the selective call signal, and at the time the receiver receives the selective call signal, the message is not stored within the transmitting and receiving device;

    a user interface for receiving from a user of the transmitting and receiving device one or more commands, wherein after the receiver receives the selective call signal, a reply command for sending a reply to the message is operable;

    a processor for generating a reply signal in response to the user interface receiving the reply command, the reply signal comprising a reply message and a message indicator identifying the message; and

    a transmitter for sending the reply signal to the system, whereupon receiving the reply signal, the system transmits the reply message to the originator of the message.

119. A communication system, comprising:

    a base station;  
    a transmitting and receiving device in communication with the base station; and  
    a system in communication with the base station, the system comprising:

        a storage and retrieval unit for storing a message intended for the transmitting and receiving device;

        signal generating means for generating a signal comprising a message identifier that identifies the message, wherein the message is not included in the signal;

means for sending the signal to the base station, whereupon receiving the signal, the base station transmits the signal to the transmitting and receiving device;

means for receiving from the base station a request signal generated by the transmitting and receiving device, wherein the request signal indicates two or more actions to be performed on the message; and

means for performing the two or more actions.

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CONT

120. The communication system of claim 119, wherein one of the at least two actions is to send the message to the transmitting and receiving device and another of the at least two actions is to store the message within the storage and retrieval unit.

121. The communication system of claim 119, wherein one of the at least two actions is to send the message to the transmitting and receiving device and another of the at least two actions is to forward the message to a recipient.

122. A communication system, comprising:

a base station;

a transmitting and receiving device in communication with the base station; and

a system in communication with the base station, the system comprising:

a storage and retrieval unit that stores a message intended the transmitting and receiving device; and

a controller (a) for sending to the base station a first signal comprising a message identifier identifying the message, wherein the first signal does not include the message, whereupon receiving the first signal, the base station transmits the first signal to the transmitting and receiving device, and (b) for sending to the base station a second signal comprising at least part of the message identifier and a status indicator for indicating the

status of the message, whereupon receiving the second signal, the base station transmits the second signal to the transmitting and receiving device.

123. The communication system of claim 122, wherein the status signal indicates that the message is no longer available to be retrieved by the transmitting and receiving device.

124. In a system having a storage and retrieval unit for storing messages intended for a transmitting and receiving device, a method comprising the steps of:

receiving a message intended for the transmitting and receiving device;  
storing the message in the storage and retrieval unit;  
generating a signal comprising a message identifier that identifies the message, wherein the message is not included in the signal regardless of the size of the message;  
sending the signal to the transmitting and receiving device;  
receiving a request signal generated by the transmitting and receiving device, wherein the request signal specifies an action to be performed on the message stored in the storage and retrieval unit; and  
performing the action in response to receiving the request signal.

125. The method of claim 124, wherein the action specified by the request signal is to forward the message to a recipient specified in the request signal.

126. The method of claim 124, wherein the action specified by the request signal is to send a reply message to the originator of the message.

127. The method of claim 124, wherein the action specified by the request signal is to delete the message from the storage and retrieval unit.

128. The method of claim 124, wherein the action specified by the request signal is to store the message in the storage and retrieval unit.

129. The method of claim 124, wherein the step of sending the signal to the transmitting and receiving device includes the step of sending the signal to a base station, which then transmits the signal to the transmitting and receiving device.

130. In a system having a storage and retrieval unit for storing messages intended for a transmitting and receiving device, a method comprising the steps of:

storing a first message intended for the transmitting and receiving device in the storage and retrieval unit;

sending a second message through a wide area communications network to a base station, the second message not including the first message, but including a message identifier identifying the first message, whereupon receiving the second message, the base station transmits to the transmitting and receiving device a signal comprising the message identifier;

receiving a request signal generated by the transmitting and receiving device, the request signal comprising an action identifier; and

performing an action on the first message corresponding to the action identifier.

131. The method of claim 130, wherein the action is to forward the first message to a recipient specified in the request signal.

132. The method of claim 130, wherein the action is to transmit a reply message to the originator of the first message.

133. The method of claim 130, wherein the action is to delete first the message from the storage and retrieval unit.

134. In a system having a storage and retrieval unit for storing messages intended for a transmitting and receiving device, a method comprising the steps of:

storing a message intended for the transmitting and receiving device in the storage and retrieval unit;

generating a signal comprising a message identifier that identifies the message, wherein the message is not included in the signal;

sending the signal to the transmitting and receiving device;

receiving a request signal generated by the transmitting and receiving device, the request signal comprising a reply request and a reply message; and

sending the reply message to the originator of the message, wherein the step of sending the reply message to the originator of the message is performed regardless of whether the message was ever sent to the transmitting and receiving device.

135. The method of claim 134, wherein the step of sending the signal to the transmitting and receiving device includes the step of sending the signal to a base station, which then transmits the signal to the transmitting and receiving device.

136. In a transmitting and receiving device for transmitting data to and receiving data from a communication system, a method comprising the steps of:

receiving a selective call signal having a message identifier identifying a message that is stored in a system, wherein the message is not included in the selective call signal, and, at the time the selective call signal is received, the message is not stored in the transmitting and receiving device;

receiving from a user of the transmitting and receiving device a command to reply to the message after receiving the selective call signal and before receiving the message from the system;

generating a reply signal in response to receiving the command, the reply signal comprising a reply message and a message indicator identifying the message; and

sending the reply signal to the system in response to generating the reply signal, whereupon receiving the reply signal, the system transmits the reply message to the originator of the message.

137. The method of claim 136, wherein the step of sending the reply signal to the system includes the step of sending the reply signal to a base station, which then forwards the reply signal to the system.

138. In a system having a storage and retrieval unit for storing messages intended for a transmitting and receiving device, a method comprising the steps of:

storing a message intended for the transmitting and receiving device in the storage and retrieval unit;

generating a signal comprising a message identifier that identifies the message, wherein the message is not included in the signal;

sending the signal to the transmitting and receiving device;

receiving a request signal generated by the transmitting and receiving device, the request signal indicating two or more actions to be performed on the message; and

performing the two or more actions.

139. The method of claim 138, wherein one of the at least two actions is to send the message to the transmitting and receiving device and another of the at least two actions is to store the message within the storage and retrieval unit.

140. The method of claim 138, wherein one of the at least two actions is to send the message to the transmitting and receiving device and another of the at least two actions is to forward the message to a recipient.

141. The method of claim 138, wherein the step of sending the signal to the transmitting and receiving device includes the step of sending the signal to a base station, which then transmits the signal to the transmitting and receiving device.

142. In a system having a storage and retrieval unit for storing messages intended for a transmitting and receiving device, a method comprising the steps of:

storing a message intended for the transmitting and receiving device in the storage and retrieval unit;

sending to the transmitting and receiving device a first signal comprising a message identifier identifying the message, wherein the first signal does not include the message; and

sending to the transmitting and receiving device a second signal comprising at least part of the message identifier and a status indicator for indicating the status of the message.

143. The method of claim 142, wherein the step of sending the first signal to the transmitting and receiving device includes the step of sending the first signal to a base station, which then transmits the first signal to the transmitting and receiving device.

144. A system, comprising:

means for generating a page;  
means for including, in the page, a message identifier identifying a message and a message location identifier identifying where the message is stored; and  
means for providing the page to a base station for transmission to a transmitting and receiving device.

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145. The system of claim 144, wherein the location identifier identifies the system as the location where the message is stored.

146. The system of claim 144, wherein the location identifier identifies a particular storage unit as the location of the message, wherein the particular storage unit is remote from the system.

147. A first system, comprising:  
means for receiving a data transmission from a second system, the data transmission including a system identifier that is associated with the second system and message information that identifies a message stored in the second system that is intended for a user of a transmitting and receiving device;  
means for generating a page;  
means for including the system identifier and the message information in the page; and  
means for providing the page to the base station for transmission to the transmitting and receiving device.

148. A first system, comprising:  
means for receiving a message intended for a user of the transmitting and receiving device;

means for storing the message;

means for transmitting information regarding the message to a second system, the information including a system identifier that is associated with the first system and message information that identifies the message;

means for receiving a request signal from the user, the request signal comprising an action identifier identifying an action to be performed on the message; and

means for performing the action.

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cont.*

149. A transmitting and receiving device for transmitting data to and receiving data from a communication system, comprising:

means for receiving a page transmitted from the communication system, the page comprising (1) a system identifier identifying a particular one of the plurality of systems and (2) message information identifying a message stored in said particular one of the plurality of systems and intended for a user of the transmitting and receiving device;

means for informing the user that the page has been received;

means for receiving input from the user specifying an action to be performed on the message; and

means for transmitting, to the system identified by the system identifier, an action identifier corresponding to the action specified by the user.

150. A system, comprising:

means for generating a page;

means for including, in the page, a message identifier identifying a message and a message location identifier identifying one of a plurality of message storage facilities; and

means for providing the page to a base station for transmission to a transmitting and receiving device.